PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202

in its capacity as elected Office

Date of mailing (day/month/year)
28 June 2001 (28.06.01)

International application No. PCT/US00/25609

International filing date (day/month/year) 19 September 2000 (19.09.00) Applicant's or agent's file reference AL01071K

ETATS-UNIS D'AMERIQUE

Priority date (day/month/year)

22 September 1999 (22.09.99)

Applicant

HEITHOFF, Kim, Allen

1.	. The designated Office is hereby notified of its election made:
	X in the demand filed with the International Preliminary Examining Authority on:
	15 March 2001 (15.03.01)
	in a notice effecting later election filed with the International Bureau on:
2.	. The election X was
	was not
	made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorized officer

Charlotte ENGER

Facsimile No.: (41-22) 740.14.35

Telephone No.: (41-22) 338.83.38



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REC'D 17 JAN 2002

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PCT

(PCT Article 36 and Rule 70)

Applicant AL0107		gent's file reference	FOR FURTHER A	СТІОН		ation of Transmittal of Internati Examination Report (Form Po			
International application No. International filing date					n/vear)	Priority date (day/month/yea			
PCT/US			19/09/2000		- you.,	22/09/1999	<i>u)</i>		
	nternational Patent Classification (IPC) or national classification and IPC A61K31/00								
Applicant									
SCHER	ING (CORPORATION et al.							
1. This and	intern is tran	ational preliminary exami smitted to the applicant a	nation report has been ccording to Article 36.	prepared	by this Inte	rnational Preliminary Exam	nining Authority		
2. This	REPO	ORT consists of a total of	6 sheets, including this	s cover st	neet.				
3. This	report ⊠	contains indications relat Basis of the report	ing to the following iten	ns:					
II.		Priority							
Ш	\boxtimes	· /	pinion with regard to no	velty, inv	entive step a	nd industrial applicability			
IV		Lack of unity of invention				11			
٧	⊠	Reasoned statement uncitations and explanation	der Article 35(2) with re ns suporting such state	egard to n	ovelty, inver	ntive step or industrial appli	icability;		
VI		oortaan docamento one							
VII		Certain defects in the int							
VIII	VIII — Certain observations on the international application								
Date of sub	missic	n of the demand		Date of c	ompletion of th	nis report			
15/03/20	15/03/2001				02				
	exami	address of the international ning authority:		Authorize	d officer		STATE OF STA		
)	European Patent Office D-80298 Munich Tel: +49.89.2399 - 0. Ty: 523555 communications				ues, H		Change of the Control		

Telephone No. +49 89 2399 7810

Fax: +49 89 2399 - 4465

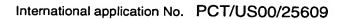
INTERNATIONAL PRELIMINARY EXAMINATION REPORT



International application No. PCT/US00/25609

 Basis of the 	ne r port
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•	the an	receiving Office in l	response to an invitation under Article 14 are referred to in this report as "originally filed" to this report as "originally filed" this report since they do not contain amendments (Rules 70.16 and 70.17)):					
	1-1	3	as originally filed					
	Cla	aims, No.:						
	1-8	•	as originally filed					
2.	lan	guage in which the i	uage, all the elements marked above were available or furnished to this Authority in the nternational application was filed, unless otherwise indicated under this item.					
	These elements were available or furnished to this Authority in the following language: , which is:							
		the language of pu	ranslation furnished for the purposes of the international search (under Rule 23.1(b)). blication of the international application (under Rule 48.3(b)). ranslation furnished for the purposes of international preliminary examination (under Rule					
3.	With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:							
		contained in the int	ernational application in written form.					
		filed together with the international application in computer readable form.						
		furnished subsequently to this Authority in written form.						
		furnished subseque	ently to this Authority in computer readable form.					
		The statement that the international ap	the subsequently furnished written sequence listing does not go beyond the disclosure in plication as filed has been furnished.					
		The statement that listing has been fun	the information recorded in computer readable form is identical to the written sequence nished.					
4.	The	amendments have	resulted in the cancellation of:					
		the description,	pages:					
		the claims,	Nos.:					
		the drawings,	sheets:					
5.		This report has bee considered to go be	n established as if (some of) the amendments had not been made, since they have been eyond the disclosure as filed (Rule 70.2(c)):					



(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6.	. Additional observations, if necessary:					
Ш.	. No	n-establishment of opir	nion wit	th regard	to novelty, inventive step and industrial applicability	
1.					n appears to be novel, to involve an inventive step (to be non- e not been examined in respect of:	
		the entire international	applicat	ion.		
	×	claims Nos. 1-2, 4-7.				
be	caus	se:				
		the said international ap not require an internation			said claims Nos. relate to the following subject matter which does examination (specify):	
	×	the description, claims of unclear that no meaning see separate sheet			icate particular elements below) or said claims Nos. 1-2,4-7 are so d be formed (specify):	
		the claims, or said claim could be formed.	ns Nos.	are so ir	nadequately supported by the description that no meaningful opinion	
	\boxtimes	no international search	report h	as been	established for the said claims Nos. 1-2,4-7.	
2.	and				nation cannot be carried out due to the failure of the nucleotide y with the standard provided for in Annex C of the Administrative	
		the written form has not	been fu	urnished (or does not comply with the standard.	
					en furnished or does not comply with the standard.	
٧.		soned statement under tions and explanations			rith regard to novelty, inventive step or industrial applicability;	
1.	Stat	ement				
	Nov	elty (N)	Yes: No:	Claims Claims	3 and 8	
	Inve	ntive step (IS)	Yes: No:	Claims Claims	3 and 8	
	Indu	strial applicability (IA)	Yes:	Claims	see separate sheet	

International application No. PCT/US00/25609

No: Claims

2. Citations and explanations see separate sheet

1. Concerning section III

Lack of clarity, Art. 6 PCT

As stated in the International Search Report (ISR), claims 1-8 relate to therapeutic applications which are not clearly defined. Particularly, the definitions "for substantially returning work-related performance......" and "for substantially returning workplace productivity......" cannot be regarded as therapeutic indications and therefore the present set of claims lacks clarity under Art. 6 PCT. Since the ISR is limited to the use of desloratadine for the treatment of the diseases mentioned in claims 3 and 8, the observations under section V (see below) concern only the use of said compound for the treatment of said diseases.

2. Concerning section V

2.1 The following documents cited in the International Search Report were taken into account:

*D1: HANDLEY DEAN A ET AL: 'Methods for treating dermatitis using descarboethoxyloratadine.' 25 April 2000 (2000-04-25), OFFICIAL GAZETTE OF THE UNITED STATES PATENT AND TRADEMARK OFFICE, VOL. 1233, NR. 4, PAGE(S) NO PAGINATION, APR. 25, 2000 XP000997862 ISSN: 0098-1133 D2: WO 98 48803 A (SHIBAHARA TAKESHI ;KASE KOICHIRO (JP); KAMI HIROSHI (JP); OKAZAKI) 5 November 1998 (1998-11-05) & EP 0 978 281 A 9 February 2000 (2000-02-09)

D3: US-A-5 900 421 (HANDLEY DEAN A ET AL) 4 May 1999 (1999-05-04)

D4: WO 98 34614 A (SEPRACOR INC) 13 August 1998 (1998-08-13)

D5: US-A-4 659 716 (VILLANI FRANK J ET AL) 21 April 1987 (1987-04-21)

D6: WO 98 06394 A (SCHERING CORP) 19 February 1998 (1998-02-19)

D7: US-A-5 595 997 (ABERG A K GUNNAR ET AL) 21 January 1997 (1997-01-21)

D8: MOLET, S. ET AL: 'Inhibitory activity of loratadine and descarboxyethoxyloratadine on histamine-induced activation of endothelial cells' CLIN. EXP. ALLERGY (1997). 27(10), 1167-1174, XP000997866

D9: GENOVESE: 'loratadine and desethoxycarbonyl loratadine...' CLINICAL AND EXPERIMENTAL ALLERGY, vol. 27, no. 5, 1997, pages 559-567, XP000998792

^{*}This document would become relevant if the present application were found not to enjoy a

valid priority date.

2.2 Industrial applicability, Art. 33(4)PCT

For the assessment of the present claims 1-8 on the question of whether they are industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.

2.3 Novelty (Art 33(2)PCT) and inventive step (Art. 33(3)PCT)

The use of desloratadine for the treatment of different types of allergic and inflammatory diseases is well documented in the prior art. D3 discloses desloratedine as an antihistaminic that avoids the adverse side-effects associated with other antihistamines. Desloratadine is said to be efficient in the treatment of seasonal allergic and perennial rhinitis, chronic urticaria, allergic asthma and dermatitis (see abstract, columns 1-3 and claims). The use of desloratadine for the treatment of histamine-induced disorders, dermographism or dermatitis and allergic rhinitis (see pg. 1-2 and claims) is described in D4 and D7. D5 (see abstract and claims), D8 and D9 (see introduction and results in both documents) also disclose the antihistaminic activity and antiallergic properties of desloratadine.

From the discussion above, it is clear that the use of desloratadine for the treatment of the diseases mentioned in claims 3 and 8 is known from the prior art. Therefore, novelty (Art. 33(2) PCT) and inventive step (Art. 33(3)PCT) cannot be acknowledged for these claims.

PATENT COOPERATION TRF TY

From the INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

HOFFMAN, Thomas D. Schering-Plough Corporation Patent Department K-6-1 1990 2000 Galloping Hill Road Kenilworth, NJ 07033-0530 **ETATS-UNIS D'AMERIQUE**

PATENT DEPARTMENT RECEIVED

JAN 2 3 2002

ROUTE TO COMMENTS

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PERSONNATED INPUT

EXAMINATION RED BY 100MPLETED E BY

(PCT Rule 71

Date of mailing (day/month/year)

15.01.2002

Applicant's or agent's file reference

International application No.

PCT/US00/25609

AL01071K

International filing date (day/month/year)

19/09/2000

IMPORTANT NOTIFICATION Priority date (day/month/year)

22/09/1999

Applicant

SCHERING CORPORATION et al.

- 1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
- 2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
- 3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.

4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/

European Patent Office D-80298 Munich

Tel. +49 89 2399 - 0 Tx: 523656 epmu d

Fax: +49 89 2399 - 4465

Authorized officer

Exner, K

Tel.+49 89 2399-7826



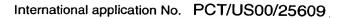


INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicantic	or agent's file reference							
''		FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)					
AL01071K			Tremmary Examination rieport (Contr. Com. Ex-4-10)					
Internationa	al application No.	International filing date (day/month						
PCT/US0	00/25609	19/09/2000	22/09/1999					
	International Patent Classification (IPC) or national classification and IPC A61K31/00							
Applicant								
SCHERI	NG CORPORATION et al.							
	 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 							
2. This F	REPORT consists of a total of	f 6 sheets, including this cover s	neet.					
b	een amended and are the ba		e description, claims and/or drawings which have ontaining rectifications made before this Authority ons under the PCT).					
These	annexes consist of a total of	f sheets.						
3. This re	eport contains indications re	ating to the following items:						
ı	I ⊠ Basis of the report							
11	☐ Priority		·					
111	☑ Non-establishment of	opinion with regard to novelty, inv	rentive step and industrial applicability					
IV	Lack of unity of invent	ion						
٧		under Article 35(2) with regard to lions suporting such statement	novelty, inventive step or industrial applicability;					
VI	☐ Certain documents ci	ted						
VII	☐ Certain defects in the	international application						
VIII	☐ Certain observations	on the international application						
	,							
Date of sub	mission of the demand	Date of e	completion of this report					
15/03/200	15/03/2001 15.01.2002							
	mailing address of the internation	al Authoriz	ed officer					
preliminary	examining authority: European Patent Office D-80298 Munich	Domin	gues, H					
	Tel. +49 89 2399 - 0 Tx: 5236: Fax: +49 89 2399 - 4465	56 epmu d	Brown 200 pt. 100					
1	1 UV. 149 03 5033 - 4400	I Telepho	ne No. +49 89 2399 7810					

Telephone No. +49 89 2399 7810





I. Basi	is of t	he re	port
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1.	the and	with regard to the elements of the international application (Heplacement sneets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)): Description, pages:						
	1-1	3 4	as originally filed					
	Cla	ims, No.:						
	1-8	· · · · · · · · · · · · · · · · · · ·	as originally filed					
2.			rage, all the elements marked above were available or furnished to this Authority in the ternational application was filed, unless otherwise indicated under this item.					
	The	ese elements were av	vailable or furnished to this Authority in the following language: , which is:					
		•	anslation furnished for the purposes of the international search (under Rule 23.1(b)).					
		the language of publication of the international application (under Rule 48.3(b)).						
		the language of a tr 55.2 and/or 55.3).	anslation furnished for the purposes of international preliminary examination (under Rule					
3.			eotide and/or amino acid sequence disclosed in the international application, the examination was carried out on the basis of the sequence listing:					
		contained in the inte	ernational application in written form.					
		filed together with the international application in computer readable form.						
		furnished subsequently to this Authority in written form.						
		furnished subsequently to this Authority in computer readable form.						
			the subsequently furnished written sequence listing does not go beyond the disclosure in Dication as filed has been furnished.					
		The statement that flisting has been furn	the information recorded in computer readable form is identical to the written sequence nished.					
4.	The	amendments have r	resulted in the cancellation of:					
		the description,	pages:					
		the claims,	Nos.:					
		the drawings,	sheets:					
5.			n established as if (some of) the amendments had not been made, since they have been yond the disclosure as filed (Rule 70.2(c)):					



(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6.	. Additional observations, if necessary:					
111.	. No	n-establishment of opir	nion wit	h regard	to novelty, inventive step and industrial applicability	
1.					a appears to be novel, to involve an inventive step (to be non- e not been examined in respect of:	
		the entire international	applicati	ion.		
	×	claims Nos. 1-2, 4-7.				
be	caus	se:				
		the said international ap not require an internation	•		said claims Nos. relate to the following subject matter which does examination (<i>specify</i>):	
	×	the description, claims of unclear that no meaning see separate sheet			cate particular elements below) or said claims Nos. 1-2,4-7 are so d be formed (specify):	
		the claims, or said claim could be formed.	ıs Nos.	are so in	nadequately supported by the description that no meaningful opinion	
	×	no international search	report h	as been	established for the said claims Nos. 1-2,4-7.	
2.	and	•		-	nation cannot be carried out due to the failure of the nucleotide with the standard provided for in Añnex C of the Administrative	
		the written form has not	been fu	ırnished o	or does not comply with the standard.	
		the computer readable f	form has	s not bee	n furnished or does not comply with the standard.	
V.	. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1.	Stat	ement				
	Nov	relty (N)	Yes: No:	Claims Claims	3 and 8	
	Inve	entive step (IS)	Yes: No:	Claims Claims	3 and 8	
	Indu	ıstrial applicability (IA)	Yes:	Claims	see separate sheet	



International application No. PCT/US00/25609

No: Claims

2. Citations and explanations see separate sheet

1. Concerning section III

Lack of clarity, Art. 6 PCT

As stated in the International Search Report (ISR), claims 1-8 relate to the rapeutic applications which are not clearly defined. Particularly, the definitions "for substantially returning work-related performance......" and "for substantially returning workplace productivity....." cannot be regarded as therapeutic indications and therefore the present set of claims lacks clarity under Art. 6 PCT. Since the ISR is limited to the use of desloratadine for the treatment of the diseases mentioned in claims 3 and 8, the observations under section V (see below) concern only the use of said compound for the treatment of said diseases.

2. Concerning section V

2.1 The following documents cited in the International Search Report were taken into account:

*D1: HANDLEY DEAN A ET AL: 'Methods for treating dermatitis using descarboethoxyloratadine.' 25 April 2000 (2000-04-25), OFFICIAL GAZETTE OF THE UNITED STATES PATENT AND TRADEMARK OFFICE, VOL. 1233, NR. 4, PAGE(S) NO PAGINATION, APR. 25, 2000 XP000997862 ISSN: 0098-1133 D2: WO 98 48803 A (SHIBAHARA TAKESHI ;KASE KOICHIRO (JP); KAMI HIROSHI (JP); OKAZAKI) 5 November 1998 (1998-11-05) & EP 0 978 281 A 9 February 2000 (2000-02-09)

D3: US-A-5 900 421 (HANDLEY DEAN A ET AL) 4 May 1999 (1999-05-04)

D4: WO 98 34614 A (SEPRACOR INC) 13 August 1998 (1998-08-13)

D5: US-A-4 659 716 (VILLANI FRANK J ET AL) 21 April 1987 (1987-04-21)

D6: WO 98 06394 A (SCHERING CORP) 19 February 1998 (1998-02-19)

D7: US-A-5 595 997 (ABERG A K GUNNAR ET AL) 21 January 1997 (1997-01-21)

D8: MOLET, S. ET AL: 'Inhibitory activity of loratadine and descarboxyethoxyloratadine on histamine-induced activation of endothelial cells' CLIN. EXP. ALLERGY (1997), 27(10), 1167-1174, XP000997866

D9: GENOVESE: 'loratadine and desethoxycarbonyl loratadine...' CLINICAL AND EXPERIMENTAL ALLERGY, vol. 27, no. 5, 1997, pages 559-567, XP000998792

*This document would become relevant if the present application were found not to enjoy a

valid priority date.

2.2 Industrial applicability, Art. 33(4)PCT

For the assessment of the present claims 1-8 on the question of whether they are industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.

2.3 Novelty (Art 33(2)PCT) and inventive step (Art. 33(3)PCT)

The use of desloratedine for the treatment of different types of allergic and inflammatory diseases is well documented in the prior art. D3 discloses desloratadine as an antihistaminic that avoids the adverse side-effects associated with other antihistamines. Desloratadine is said to be efficient in the treatment of seasonal allergic and perennial rhinitis, chronic urticaria, allergic asthma and dermatitis (see abstract, columns 1-3 and claims). The use of desloratadine for the treatment of histamine-induced disorders, dermographism or dermatitis and allergic rhinitis (see pg. 1-2 and claims) is described in **D4** and **D7**. **D5** (see abstract and claims), **D8** and **D9** (see introduction and results in both documents) also disclose the antihistaminic activity and antiallergic properties of desloratadine.

From the discussion above, it is clear that the use of desloratadine for the treatment of the diseases mentioned in claims 3 and 8 is known from the prior art. Therefore, novelty (Art. 33(2)) PCT) and inventive step (Art. 33(3)PCT) cannot be acknowledged for these claims.

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 29 March 2001 (29.03.2001)

PCT

(10) International Publication Number WO 01/21162 A2

(51) International Patent Classification7:

A61K 31/00

- (21) International Application Number: PCT/US00/25609
- (22) International Filing Date:

19 September 2000 (19.09.2000)

(25) Filing Language:

English

(26)-Publication-Language:

English

(30) Priority Data:

09/400,599

22 September 1999 (22.09.1999) US

- (71) Applicant (for all designated States except US): SCHER-ING CORPORATION [US/US]; 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): HEITHOFF, Kim, Allen [US/US]; 22 Williams Street, P.O. Box 423, Oldwick, NJ 08858-0423 (US).
- (74) Agent: HOFFMAN, Thomas, D.; Schering-Plough Corporation, Patent Department, K-6-1 1990, 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530 (US).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, US, UZ, VN, YU, ZA.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

 Without international search report and to be republished upon receipt of that report.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.





(54) Title: TREATING ALLERGIC AND INFLAMMATORY CONDITIONS

(57) Abstract: The use of desloratedine for the preparation of a medicament for substantially returning work-related performance and/or workplace productivity of a person suffering from an allergic and/or inflammatory condition of the skin airway passages, e.g., season allergic rhinitis, perennial allergic rhinitis, atopic dermatitis, urticaria or allergic asthma to the person's baseline w rk-related performance and baseline workplace productivity.

WO 01/21162 PCT/US00/25609

TREATING ALLERGIC AND INFLAMMATORY CONDITIONS BACKGROUND OF THE INVENTION

This invention relates to the use of desloratadine for the preparation of a medicament for substantially returning work-related performance and/or workplace productivity of a patient suffering from an allergic and/or inflammatory condition to the person's baseline work-related performance and baseline workplace productivity.

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The symptoms and side effects of an allergic and/or inflammatory condition of the skin or upper and lower airway passages such as seasonal allergic rhinitis ("SAR") include itchy, watery eyes, sneezing, runny nose, nasal congestion, urticaria, sommolence and general malaise. The pharmacologic effects of treating allergic and/or inflammatory condition such as SAR with sedating antihistamines include sommolence, blurred vision, dry mouth and individual performance impairment at home, in school and at work as well as impairment of workplace productivity. SAR affects up to 45 million people in the United States and many more millions worldwide.

Cockurn, Iain M, et al., in <u>Business & Health</u>, March 1999, pages 49-50 and in <u>J Occup Eniviron Med.</u>, November 1999, Vol. 41(11), pages 948-953 disclose treating allergic reactions with sedating antihistamines, alone or in combination with decongestants, leads to impaired individual performance and decreased workplace productivity of workers compared to treatment with non-sedating antihistamines.

In view of the high prevalence of SAR, even relatively small effects on individual performance will have a significant impact on work-related performance and workplace productivity in the worldwide population, Thus, there is a need for a clinically more effective therapy for treating/preventing an allergic and or inflammatory condition of the skin and upper or lower airway passages in workers while simultaneously enhancing their work-related performance as well as their workplace productivity.

SUMMARY OF THE INVENTION

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The present invention provides a method of substantially returning the work-related performance of a person suffering from an allergic and/or inflammatory condition of the skin or airway passages to the person's baseline work-related performance which comprises administering an amount of desloratedine to said person effective for such returning.

The present invention provides a method of returning workplace productivity of a person suffering from an allergic and/or inflammatory condition of the skin or airway passages to the person's baseline workplace productivity which comprises-administering an effective-amount-of-desloratedine-to-said-person effective for such returning.

In a preferred embodiment, the present invention provides a method of substantially returning work-related performance of a person suffering from seasonal allergic rhinitis to the person's baseline work-related performance which comprises administering an amount of desloratedine to such person effective for such returning.

In a preferred embodiment, the present invention provides a method of substantially returning workplace productivity of a person suffering from seasonal allergic rhinitis to the person's baseline workplace productivity which comprises administering an amount of desloratedine to said person effective for such returning.

In another preferred embodiment, the present invention provides a method of enhancing work-related performance of a patient suffering from atopic dermatitis or urticaria which comprises administering an amount of desloratadine effective for such enhancing.

In another preferred embodiment, the present invention provides a method of substantially returning workplace productivity of a person suffering from atopic dermatitis or urticaria to the person's baseline work-related performance to the person's baseline work-related performance which comprises administering an amount of desloratadine effective for such returning.

In another preferred embodiment, the present invention provides a method of returning performance of a person suffering from atopic dermatitis or urticaria to

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the person's baseline workplace productivity which comprises administering an amount of desloratedine to said person effective for such returning.

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In another preferred embodiment, the present invention provides a method of substantially returning workplace productivity of a person suffering from an allergic and/ or inflammatory condition of the skin or passages to the person's baseline workplace productivity by administering an initial amount of desloratedine to said person effective for such returning.

In another preferred embodiment, the present invention provides a method of substantially returning performance of a person suffering from an allergic and/ or inflammatory condition of the skin or airway passages to the person's baseline workplace productivity by administering an initial amount of desloratedine to said person effective for such returning.

The invention also contemplates pharmaceutical compositions for substantially returning work-related performance and/or workplace productivity of a person suffering from an allergic and/or inflammatory condition of the skin or airway passage to the person's baseline work-related performance and/or workplace performance comprising an amount of desloratedine effective for such returning.

DETAILED DESCRIPTION OF THE INVENTION

Persons afflicted with the symptoms and side effects of an allergic and/or inflammatory condition of the skin and upper or lower airway passages -such as seasonal allergic rhinitis- who are treated with an initial effective amount of desloratedine exhibit a significantly higher work-related performance and a significantly higher workplace productivity in a controlled clinical setting compared to untreated persons as well as with persons treated with an initial standard dose of the sedating antihistamine, diphenhydramine.

The phrase "the person's baseline work-related performance" as used herein means the person's work-related performance at a time prior to the person's exhibiting signs and/or symptoms of allergic and/or inflammatory conditions of the skin or airway passages as measured by art-recognized methods hereinafter d scribed.

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The phrase "the person's baseline workplace productivity" as used herein means the person's baseline workplace productivity as used herein means the person's performance at a time prior to the person's exhibiting the signs and/or symptoms of allergic and/or inflammatory conditions of the skin or airway passages as measured by art-recognized methods hereinafter described.

The phrase "substantially returning" as used herein in reference to a person's baseline work-related performance or baseline workplace productivity means returning to within about 5-10%, preferably within about 5% and more preferably within about 1-2% of the baseline values.

The phrase "allergic and/ or inflammatory conditions of the skin or airway passages" as used herein means those allergic and/or inflammatory conditions and symptoms found on the skin and in the airway passages from the nose to the lungs. Typical allergic and/or inflammatory conditions of the skin and upper and lower airway passages include seasonal and perennial allergic rhinitis, non-allergic rhinitis, asthma including allergic and non-allergic asthma, sinusitis, colds (in combination with a NSAID, e.g., aspirin ibuprofen or APAP) and/or a decongestant e.g. pseudoephedrine), dermatitis, especially allergic and atopic dermatitis, and urticaria and symptomatic dermographism as well as retinophathy, and small vessel diseases, associated with diabetes mellitus.

The amount of desloratadine effective for treating or preventing allergic and/or inflammatory conditions of the skin and upper and lower airway passages will vary with the age, sex, body weight and severity of the allergic and inflammatory condition of the patient. Typically, the amount of desloratadine effective for treating or preventing such allergic and inflammatory conditions is in the range of about 2.5 mg/day to about 45 mg/day, preferably about 2.5 mg/day to about 20 mg/day, or about 4.0 mg/day to about 15 mg/day, or about 5.0 mg/day to about 10 mg/day, more preferably about 5.0 mg/day to about 7.5 mg/day, and most preferably about 5.0 mg/day in single or divided doses, e.g. two 2.5 mg doses, or about 5.0 mg/day in a single dose.

Desloratadine is a non-sedating long acting histamine antagonist with potent selectiv peripheral H1-receptor antagonist activity. Following oral administration, loratadine is rapidly metabolized to descarboethoxyloratadine or

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desloratadine, a pharmacologically active metabolite. *In vitro* and *in vivo* animal pharmacology studies have been conducted to assess various pharmacodynamic effects of desloratadine and loratadine. In assessing antihistamine activity in mice (comparison of ED₅₀ value), desloratadine was relatively free of producing alterations in behavior alterations in behavior, neurologic or autonomic function. The potential for desloratadine or loratadine to occupy brain H1-receptors was assessed in guinea pigs following i.p. administration and results suggest poor access to central histamine receptors for desloratadine or loratadine.

In vive-studies-alse-suggest that an inhibitory effect of desloratedine on allergic bronchospasm and cough can also be expected.

The clinical efficacy and safety of desloratedine has been documented in over 3,200 seasonal allergic rhinitis patients in 4 double-blind, randomized clinical trials. The results of these chemical studies demonstrated the efficacy of desloratedine in the treatment of adult and adolescent patients with seasonal rhinitis.

Desloratadine is particularly useful for the treatment and prevention of the nasal (stuffiness/congestion, rhinorrhea, nasal itching, sneezing) and non-nasal (itchy/burning eyes, tearing/watery eyes, redness of the eyes, itching of the ears/palate) symptoms of seasonal allergic rhinitis, including nasal congestion, in patients in need of such treating and/ or preventing. Desloratadine may be used alone, or in combination with a decongestant, e.g., pseudeoephridine and/or an analgesic, e.g., a NSAID such as acetominophen or ibuprofen.

STUDY DESIGNS AND CONCEPTS

A series of randomized, double-blinded(treatment), placebo-controlled studies have been designed to quantify the impact of seasonal allergic rhinitis ("SAR") and SAR treatments on work-related performance and workplace productivity of subjects as measured by art-recognized selected areas of performance and workplace productivity. In one series of studies, the effects of SAR (burden of disease) in subjects will be quantified by comparing the work-related performance levels in asymptomatic SAR subjects to the work-r lated subjects performance levels in symptomatic SAR subjects. In another series of

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studies, the differential impact following two different treatments for SAR on work-related performance of subjects will be quantified: the effects of desloratadine 5 mg tablets will be compared to diphenhydramine 50 mg (and placebo of each drug) among subjects with symptomatic SAR during exposure of the subjects to ragweed pollen. A consistent level of ragweed pollen exposure will be assured by conducting these studies in an environmental exposure unit (EEU). The baseline work-related performance and baseline workplace productivity of each subject will be measured at day 0 prior to exposure to ragweed pollen in the EEU.

-WORK-RELATED-PERFORMANCE-TESTS-

The work-related performance abilities of the subjects to be examined in one study series were selected based on the consensus of an expert panel consisting of neuropsychologists, industrial psychologists, and allergists. These work-related performance abilities cover the domains thought to be most affected by the symptoms of SAR and/or by sedation caused by SAR treatments. In addition, the expert panel prioritized those performance domains that are most closely related to abilities associated with safety and productivity. The work-related performance abilities were then mapped by the expert panel to neuropyschological performance tests.

PRIMARY ENDPOINT:

The effects of SAR(also called the burden of disease) will be measured by measuring the selective attention in asymptomatic versus symtomatic subjects and in symptomatic subjects treated with desloratedine 5 mg tablets versus symptomatic subjects treated diphenhydramine 50 mg.

Performance Domain	Definition	Performance Measure
Selective Attention	The ability to concentrate and not be distracted while performing a task over a period of time.	Kay Continuous Performance Test (Omission Errors Score)

SECONDARY ENDPOINTS:

Impact of Treatment (Desloratadine vs. Diphenhydramine) will be
 determined by measuring the perceptual speed in asymptomatic versus symtomatic subjects and in symptomatic subjects treated with desloratadine 5 mg tablets versus symptomatic subjects treated diphenhydramine 50 mg.

Performance Domain	Definition	Performance Measure
Perceptual Speed	The ability to quickly and	Automated
	accurately compare letters,	Neuropsychological Matrices
	numbers, objects, pictures	(ANAM) Running Memory
	or patterns. The things to	CPT (Accuracy Score)
	be compared may be	
	presented at the same time	
	or one after the other. This	
	ability also includes	
	comparing a presented	
	object with a remembered	
	object	
Near Vision	The ability to see details of	CogScreen Visual Sequence
	objects at a close range	Comparison (Accuracy
	(within a few feet of the	Score)
	observer).	

2. Burden of Disease will be measured in asymptomatic vs. symptomatic subjects; and in symptomatic subjects vs. those treated with Desloratedine by measuring the information ordering as follows:

Performance Domain	D finition	P rformance M asure
Information Ordering	The ability to follow a	CogScreen Digit Symbol
	given set of rules or	Coding (with Delay)
	instructions in order to	(Response Time Score)
	arrange things or actions	
	in a certain order. The	
	things or actions can	
	include numbers, letters,	
	words, pictures,	
	procedures, sentences,	
	and mathematical or	
	logical operations.	

3. OTHER ENDPOINTS:

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Additional measures of some of the performance domains will also be included as secondary endpoints. These include, but are not limited to, problem sensitivity, memorization, number facility, time sharing, and response orientation, and rate control.

INCLUSION AND EXCLUSION CRITERIA

Finally, standard inclusion and exclusion criteria will be used to assure that other factors, such as nicotine and/or alcohol use or sleep disturbances, are not contributing to any observed effect.

ENVIRONMENTAL EXPOSURE UNIT (EEU)

The EEU is a scientifically recognized pollen exposure system that has been used to evaluate the efficacy of anti-allergic medications, including determinations of the "onset of action" of these medications to relieve the signs and symptoms of pollen-induced allergic rhinitis. The controlled exposure to an aeroallergen, usually short ragweed pollen, has eliminated variables associated with other methods of clinical evaluation of these medications. The clinical relevance of the results of this test system have been validated by comparison of

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the results of clinical trails in this unit with those of other modes of allergen challenge, in particular exposure of allergic subjects to natural environmental increases in pollen levels.

Prior to those study days when the subjects are to be symptomatic and will undergo work-related performance and work-place productivity testing, they will be exposed during two to six priming sessions of 3 hours each to controlled pollen levels $(3500 \pm 500 \text{ grains/m}^3)$ in the EEU. Subjects will record symptom severity every 30 minutes until the symptom severity criteria for enrollment in the study are metror the 3-hours have lapsed following which they will be transferred to a pollen-free room for up to one hour of observation. Subjects whose symptoms are so severe that they cannot remain in the EEU for at least 3 hours are moved to a pollen-free room and discharged from the study. To qualify for enrollment the subjects are required to achieve a total SAR symptom severity score of ≥ 10 made up of a nasal symptom score of ≥ 6 and of ≥ 4 for the non-nasal symptoms. On leaving the EEU those subjects who meet the severity scores inclusion criteria will be assigned to computer-generated randomization.

On the Baseline (symptomatic) and treatment-study days the enrolled subjects will report to the EEU at 7:30 AM. They will complete the daily baseline pre-exposure evaluation of their SAR symptom severity at 8:00 AM, following which they will begin exposure to ragweed pollen (3500±500 grain/m³) for 8 hours, i.e., from 8:00 AM to 4:00 PM. Promptly following symptom severity ratings at 9:30 AM, the subjects will be evaluated for qualification for dosing and continuation in the study. Immediately after completing the 10:00 AM dairy card, all subjects will take their medications with a glass (180 mL) of water.

The work-related performance and work-place productivity testing will begin approximately 1 ½ hours after the initial dosing and will continue until approximately 2 hours after the initial dosing. This timing will allow for testing to be completed during the time that the two drugs are expected to show efficacy.

WORK-PLACE PRODUCTIVITY TESTS

The work-place productivity tests selected will be based on their sensitivity to the effects of sedation and seasonal allergic rhinitis symptoms, and

their relevance to the skills required for word processing. The same subject inclusion/exclusion criteria used for the work-related performance studies will be used. A consistent level of ragweed pollen exposure will be assured by conducting these studies in the above-described environmental exposure unit (EEU).

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PRIMARY STUDY OBJECTIVE:

To show that work-place productivity is higher when subjects with symptomatic SAR are treated with desloratedine, 5 mg tablets antihistamine, than when subjects are treated with diphenhydramine 50 mg, a sedating antihistamine after exposure of both sets of subjects to ragweed pollen in an above-described EEU.

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SECONDARY STUDY OBJECTIVES:

- To show that work-related performance and workplace productivity are higher when subjects with symptomatic SAR are treated with desloratedine than when they are not treated; and
- 20 2. To show that SAR negatively impacts workplace productivity.

RESEARCH BACKGROUND FOR THE STUDIES

The hypotheses that relate to the objectives for these studies are based on the documented findings that dosing with diphenhydramine causes somnolence and impairment of cognitive and psychomotor functions and vigilance and intuitive projections, and that the signs and symptoms of SAR adversely affect those same functions. SAR may exert its impairing effects not only by affecting visual and auditory responses and upper airway breathing capacity but also by a sense of general malaise and discomfort. These impairments of work-related performance should result in diminished workplace productivity.

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The study subjects, who will have a history of ragweed pollen associated SAR and a documented positive skin test to short ragweed pollen, will be evaluated while asymptomatic and symptomatic to establish baseline work-related

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performance and workplace productivity data to meet the study objectives. Because these subjects will be evaluated for the effects of their SAR signs and symptoms and of the two study medications on individual performance and workplace productivity, they will need to meet at least minimal requirements for typing/word processing skills.

Both medications (desloratedine and diphenhydramine) are expected to relieve the signs and symptoms of SAR during the course of the treatment study day, beginning as soon as one-and-one half-hours after dosing and continuing during the testing periods.

GENERAL EXPERIMENTAL

U.S.Patent No. 4,659,716 discloses desloratedine as a non-sedating antihistamine as well as methods of making desloratedine, pharmaceutical compositions containing it and methods of using desloratedine and pharmaceutical compositions containing it to treat allergic reaction in mammals.

U.S.Patent No. 5,595,997 discloses pharmaceutical compositions containing desloratedine and methods of using desloratedine for treating allergic rhinitis.

Desloratadine is available from Schering Corporation, Kenilworth, N.J. Diphenhydramine is available under the BENADRYL trademark on a non-prescription basis.

The pharmaceutical compositions of desloratedine be adapted for any mode of administration e.g., for oral, parenteral, e.g., subcutaneous ('SC"), intramuscular ("IM"), intravenous ("IV") and intraperitoneal ("IP"), topical or vaginal administration or by inhalation (orally or intranasally). Preferably desloratedine is administered orally.

Such compositions may be formulated by combining desloratadine or an equivalent amount of a pharmaceutically acceptable salt thereof with a suitable, inert, pharmaceutically acceptable carrier or diluent which may be either solid or liquid. Desloratadine may be converted into the pharmaceutically acceptable acid addition salts by admixing it with an equivalent amount of a pharmaceutically acceptable acid. Typically suitable pharmaceutically acceptable acids include the mineral acids, .g., HNO₃, H₂SO₄, H₃PO₄, HCl, HBr, organic acids, including, but

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not limited to, acetic, trifluoroacetic, propionic, lactic, maleic, succinic, tartaric, glucuronic and citric acids as well as alkyl or arylsulfonic acids, such as ptoluenesulfonic acid, 2-naphthalenesulfonic acid, or methanesulfonic acid. The preferred pharmaceutically acceptable salts are trifluoroacetate, tosylate, mesylate, and chloride. Desloratadine is more stable as the free base than as an acid addition salt and the use of the desloratadine free base in pharmaceutical compositions of the present invention is more preferred.

Solid form compositions include powders, tablets, dispersible granules, capsules, cachets and suppositories. The powders and tablets may be comprised of from about 5 to about 95 percent active ingredient. Suitable solid carriers are known in the art, e.g. magnesium carbonate, magnesium stearate, talc, sugar or lactose. Tablets, powders, cachets and capsules can be used as solid dosage forms suitable for oral administration. Examples of pharmaceutically acceptable carriers and methods of manufacture for various compositions may be found in A. Gennaro (ed.), Remington's Pharmaceutical Sciences, 18th Edition, (1990), Mack Publishing Co., Easton, Pennsylvania.

Liquid form preparations include solutions, suspensions and emulsions. As an example may be mentioned water or water-propylene glycol solutions for parenteral injection. Solid form preparations may be converted into liquid preparations shortly before use for either oral or administration. Parenteral forms to be injected intravenously, intramuscularly or subcutaneously are usually in the form of sterile solutions and may contain tonicity agents (salts or glucose), and buffers. Opacifiers may be included in oral solutions, suspensions and emulsions. Liquid form preparations may also include solutions for intranasal administration.

Aerosol preparations suitable for inhalation may include solutions and solids in powder form, which may be in combination with a pharmaceutically acceptable carrier, such as an inert compressed gas, e.g., nitrogen.

Also included are solid form preparations that are intended to be converted, shortly before use, to liquid form preparations for either oral or parenteral administration. Such liquid forms include solutions, suspensions and emulsions.

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Desloratadine may also be deliverable transdermally. The transdermal compositions can take the form of creams, lotions, aerosols and/or emulsions and can be included in a transdermal patch of the matrix or reservoir type as are conventional in the art for this purpose.

Preferably, the pharmaceutical composition is in a unit dosage form. In such form, the preparation is subdivided into suitably sized unit doses containing appropriate quantities of deslorated and other, if any active component, e.g., effective amounts to achieve the desired purpose.

WHAT is claimed:

- (1) The use of desloratedine for the preparation of a medicament for substantially returning work-related performance of a person suffering from an allergic and/or inflammatory condition of the skin or airway passages to the person's baseline work-related performance.
- (2) The use of designated ine-for the preparation of a medicament for substantially returning workplace productivity of a person suffering from an allergic and/or inflammatory condition of the skin or airway passages to the person's baseline workplace productivity.
- (3) The use of desloratedine for the preparation of a medicament for substantially returning work-related performance of a person suffering from seasonal or perennial allergic rhinitis to the person's baseline work-related performance.
- (4) The use of any preceding claim wherein the amount of desloratadine is about 2.5 mg/day to about 45 mg/day.
 - (5) The use of any preceding claim wherein the amount of desloratadine is about 5 mg/day to about 15 mg/day.
- 25 (6) The use of any preceding claim wherein the amount of desloratedine is about 5 mg/day to about 10 mg/day.
 - (7) The use of any preceding claim wherein the amount of desloratadine is about 5 mg/day.
- 30 (8) The use of any preceding claim wherein the allergic and/or inflammatory condition of the skin or airway passages is seasonal allergic rhinitis, perennial all rgic rhinitis, atopic dermatitis, urticaria or allergic asthma.

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 29 March 2001 (29.03.2001)

PCT

(10) International Publication Number WO 01/21162 A3

- (51) International Patent Classification⁷: A61K 31/4545, A61P 37/08, 29/00
- (21) International Application Number: PCT/US00/25609
- (22) International Filing Date:

19 September 2000 (19.09.2000)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 09/400,599

22 September 1999 (22.09.1999) US

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- (74) Agent: HOFFMAN, Thomas, D.; Schering-Plough Corporation, Patent Department, K-6-1 1990, 2000 Galloping Hill Road, Kenilworth, NJ 07033-0530 (US).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, US, UZ, VN, YU, ZA.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report

(88) Date of publication of the international search report: 7 March 2002

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

/21162 A3

(54) Title: TREATING ALLERGIC AND INFLAMMATORY CONDITIONS USING DESLORATADINE

(57) Abstract: The use of desloratedine for the preparation of a medicament for substantially returning work-related performance and/or workplace productivity of a person suffering from an allergic and/or inflammatory condition of the skin airway passages, e.g., season allergic rhinitis, perennial allergic rhinitis, atopic dermatitis, urticaria or allergic asthma to the person's baseline work-related performance and baseline workplace productivity.

۱	Interna	pplication No
l	PCT/	00/25609

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K31/4545 A61P37/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC $\,7\,$ A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, CHEM ABS Data, EMBASE, SCISEARCH, BIOSIS, MEDLINE

A61P29/00

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: 'A' document defining the general state of the art which is not considered to be of particular relevance 'E' earlier document but published on or after the international fiting date 'L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) 'O' document referring to an oral disclosure, use, exhibition or other means 'P' document published prior to the international filing date but later than the priority date claimed	 "T" tater document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
31 August 2001	06/09/2001
Name and mailing address of the ISA	Authorized officer
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Bonzano, C

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WO 98 06394 A (SCHERING CORP) 19 February 1998 (1998-02-19) page 3, line 30 -page 4, line 24 claims 7,8,13,14	1-8
US 5 595 997 A (ABERG A K GUNNAR ET AL) 21 January 1997 (1997-01-21) column 3, line 21 - line 47	1-8
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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims 1-8 relate to therapeutic applications which are actually not well defined. Use of the definitions "substantially returning work-related performance or a person suffering from an allergic and/or inflammatory condition of the skin or airway passages to the person's baseline work-related performance " in the present context is considered to lead to a lack of clarity within the meaning of Article 6 PCT. The lack of clarity is such as to render a meaningful complete search not fully possible. Consequently, the search has been restricted to the the treatment of the diseases mentioned in claims 3 and 8.

Claims searched completely: none. Claims searched incompletely: 1-8.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

niormal patent family members

Interna Application No
PCT 00/25609

				101/03	10/25609
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